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DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
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HELIUM RESEARCH CENTER

INTERNAL REPORT

HELIUM-4 PVT REFERENCES: 1895 to 1968

BY

Robert E. Barieau

BRANCH Fundamental Research

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ABSTRACT

A list of 187 references to original experimental PVT data on helium has been prepared. It is hoped the list is complete as of the start of the Helium Centennial Year, 1968.

INTRODUCTION

In connection with our project on the critical evaluation of thermodynamic data on helium, we had occasion to prepare a list of references to original experimental data on the PVT properties of helium. While trying to keep the list up-to-date, it was decided to prepare the references on IBM cards to eliminate the necessity of retyping the list when bringing it up-to-date.

The attached list of 187 references is the product of the above endeavor as of the first of the year, 1968—the centennial year celebrating the discovery of helium. It is hoped the list is complete.

¹⁷ Supervisory research chemist, project leader, Thermodynamics, Helium Research Center, Bureau of Mines, Amarillo, Tex.

The list contains only references to original experimental data.
TABULATION OF HELIUM-4 PVT REFERENCES: 1895 to 1968

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These that contain original data, however, have been collected,
as have the later published references.

Robert E. Barieau^{1/}

Author's name and initials are given as they appear in the original paper reference.

Early Leader References ABSTRACT

A list of 147 references to original experimental PVT data on helium has been prepared. It is hoped the list is complete as of the start of the Helium Centennial Year, 1968.

INTRODUCTION

In connection with our project on the critical evaluation of thermodynamic data on helium, we had occasion to prepare a list of references to original experimental data on the PVT properties of helium. While trying to keep the list up-to-date, it was decided to prepare the references on IBM cards to eliminate the necessity of retyping the list when bringing it up-to-date.

The attached list of 147 references is the product of the above endeavor as of the first of the year, 1968--the centennial year celebrating the discovery of helium. It is hoped the list is complete.

^{1/} Supervisory research chemist, project leader, Thermodynamics, Helium Research Center, Bureau of Mines, Amarillo, Tex.

The list contains only references to original experimental data. Tabulations of PVT properties calculated from equations of state are, therefore, omitted.

Theses that contain original data, however, have been referenced, as have the later published articles.

Authors names and initials are given as they appear in the original paper referenced.

Early Leiden University articles were usually first published in Dutch by the Royal Academy of Science of Amsterdam. The Academy later published an English or French translation. Still later, the University published the article in English or French as a Leiden Communication. All publications of a single article are given but are listed as a single reference.

When an English translation is known to exist, the source of the translation is given.

All references are generally consistent with the Bureau of Mines Style Guide, except asterisks are used instead of parentheses.

It would be appreciated if any errors or omissions are brought to the author's attention.

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